

# NEBRASKA WEATHER & CROPS

For Week Ending July 18, 1993

Issue: 20-93

Released: 7/19/93 - 3:00 p.m.

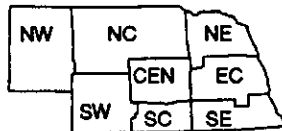
Phone: (402) 437-5541

Location: 273 Federal Bldg.

P.O. Box 81069

Lincoln, NE 68501

National Agricultural Statistics Service  
U.S. Department of Agriculture  
and U.S. Department of Commerce  
National Oceanic and Atmospheric Admin.  
National Weather Service



NEBRASKA  
AGRICULTURAL  
STATISTICS  
SERVICE

Nebraska Department of Agriculture  
Division of Agr'l. Statistics  
Cooperative Extension Service  
Institute of Agriculture  
and Natural Resources-UN-L

## WEATHER

Temperatures for the week averaged three to seven degrees below normals. Precipitation amounts varied from a tenth of an inch in the north up to 4.30 inches in the central portion of the State.

## GENERAL

Continued wet weather over most of the State this past week caused additional delays in fieldwork as well as slow growth of crops, according to the Nebraska Agricultural Statistics Service. In the Panhandle and southwest areas where rainfall has not been as plentiful, irrigation systems are being used to water crops or field preparations are underway for use. Cleaning up after the previous week's severe wind storm remained a high priority as little fieldwork was possible. Oat silage harvesting was underway. Other activities included some wheat and hay harvest, moving farm-stored grain away from flood waters, and some weed control measures.

## CROPS

Winter wheat condition was rated at 2% very poor, 5% poor, 42% fair, and 51% good. Harvest had made a start in several areas but progress was hindered by cloudy, high humidity conditions which hampers the grain's final dry down. Wet surface conditions also slowed harvest with some operators getting combines stuck in the mud. As of Sunday, 13% had been harvested, about three weeks behind the 5-year average of 76%. Reports of crop damage from hail last week in the west and southwest were severe enough in a few cases to require haying of those acres.

Corn condition was rated at 2% poor, 34% fair, 58% good, and 6% excellent. With fields having saturated soil moisture conditions in most areas and below normal

## CROPS (Cont.)

air temperatures, crop development remained behind normal. About 9% of the corn was silking at week's end, compared with 26% last year and 41% for the 5-year average. Most corn was too tall for further fieldwork with some weed control activity missed. Conditions have also caused yellowing and, in some cases, plant death where water had been standing in the field.

Soybean condition was rated at 37% fair, 61% good, and 2% excellent. Plants are blooming across the State but two weeks behind normal. Mechanical and chemical weed control continued where surface conditions permitted.

Sorghum condition was rated at 11% poor, 37% fair, 51% good, and 1% excellent. Weed control measures continued where possible.

Dry bean acres were rated at 9% blooming to date. Irrigation and preparations for irrigating were underway.

Alfalfa condition was rated at 1% poor, 21% fair, 62% good, and 16% excellent. Haying was proving difficult with rain delays and down hay getting wet. As of Sunday, 29% of the second cutting had been harvested, compared with 55% last year and 67% for the 5-year average. Wild hay condition was rated at 4% fair, 68% good, and 28% excellent. Hay harvest continued when possible, with many meadows being too wet for cutting.

## LIVESTOCK

Pasture and range condition was rated at 103% of normal and compares with 94% of normal last year at this time. Pastures were providing abundant grazing for cattle in most areas. Cattle were doing well except where mired down in feedlots. Reduced gains for cattle on feed were experienced where mud was a problem.

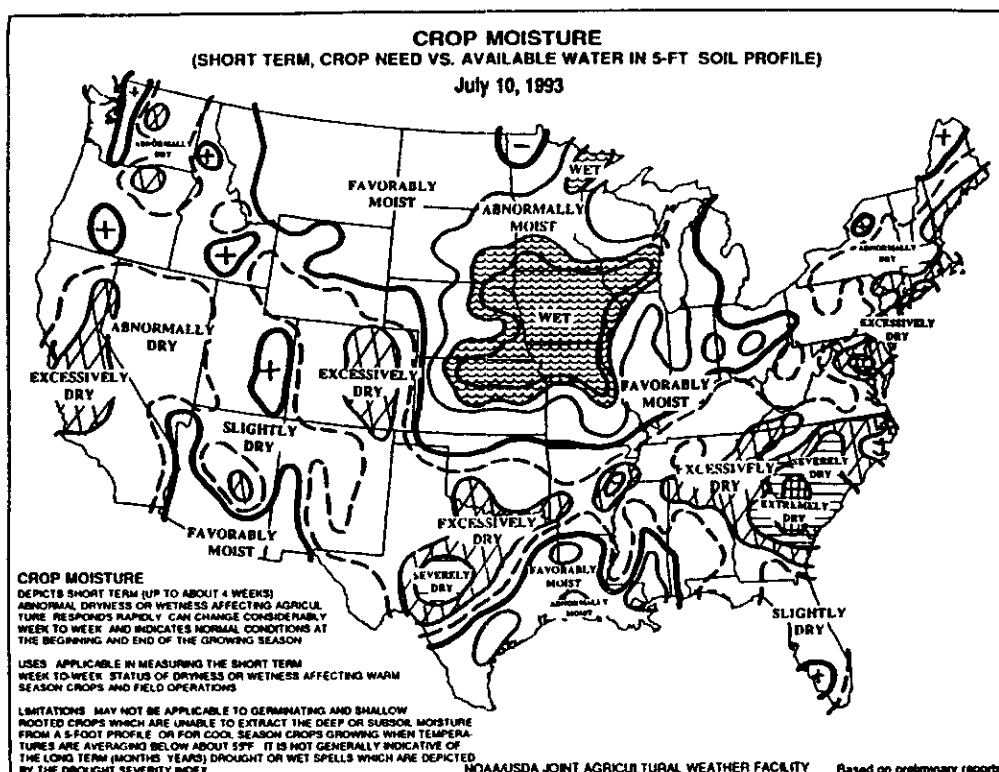
FIELD WORK PROGRESS AS OF JULY 18, 1993	AGRICULTURAL STATISTICS DISTRICTS								STATE	LAST WEEK	LAST YEAR	AVER- AGE
	NW	NC	NE	C	EC	SW	SC	SE				
% wheat ripe	63	75	83	93	100	87	100	100	83	40	89	94
% wheat harvested	5	0	0	5	5	24	22	10	13	2	43	76
% corn silked	1	0	1	7	9	1	30	18	9	0	26	41
% soybeans blooming	0	3	1	3	10	10	25	27	11	4	28	44
% dry beans blooming	10	3	0	0	0	7	0	0	9	3	n/a	n/a
% alfalfa second cutting	25	28	18	30	24	66	41	27	29	19	55	67
DAYS SUITABLE AND SOIL MOISTURE CONDITION AS OF JULY 16, 1993												
Days suitable	5.3	3.0	2.1	3.8	1.3	4.5	2.3	1.0	2.7	2.6	3.6	
Topsoil moisture - Short	23	8	0	0	0	0	0	0	4	5	6	
(Percent) - Adequate	69	50	24	56	5	83	54	0	34	32	79	
- Surplus	8	42	76	44	95	17	46	100	62	63	15	
Subsoil moisture - Short	0	8	0	0	0	0	0	0	1	3	8	
(Percent) - Adequate	100	59	35	67	30	100	54	6	49	53	88	
- Surplus	0	33	65	33	70	0	46	94	50	44	4	

n/a - not available

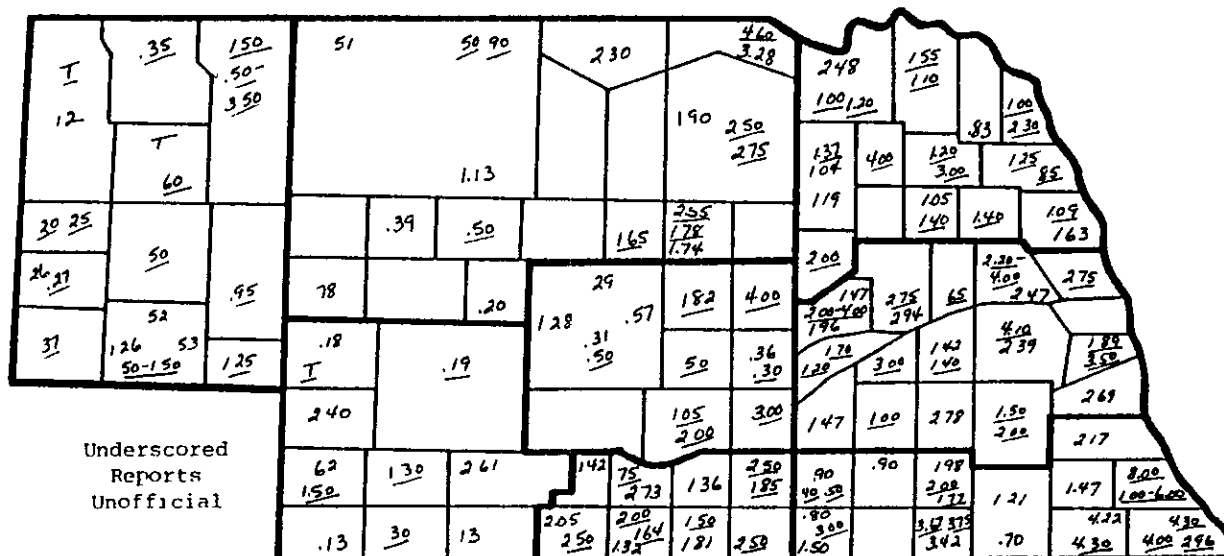
NEBRASKA WEATHER & CROPS (ISSN 0745-0117) is published weekly April-November and monthly December-March by the Nebraska Department of Agriculture, Nebraska Agricultural Statistics Service (NASS), 100 Centennial Mall North, Room 273 Federal Building, Lincoln, NE 68508. Subscription is free to survey respondents upon request to NASS, P.O. Box 81069, Lincoln, NE 68501, or by calling (402) 437-5541 and available for \$15.00 per year to non-reporters. POSTMASTER: Send address changes to NEBRASKA WEATHER & CROPS, P.O. Box 81069, Lincoln, NE 68501.

NEBRASKA WEATHER & CROPS  
P.O. Box 81069  
Lincoln, NE 68501

Second Class Postage  
Paid at  
Lincoln, Nebraska



PRECIPITATION MAP FOR WEEK ENDING FRIDAY, JULY 16, 1993



PRECIPITATION, APRIL 1 - JULY 16, 1993

	NW	NC	NE	CEN	EC	SW	SC	SE
Total past week .....	.45	1.36	1.37	.56	2.18	1.01	1.78	1.75
Total since April 1 .....	8.86	14.50	19.33	15.53	20.23	11.82	15.03	19.75
Normal since April 1 .....	9.06	10.67	12.13	11.49	12.71	9.72	11.45	13.07
Total as % of normal .....	98%	136%	159%	135%	159%	122%	131%	151%

TEMPERATURE, PRECIPITATION, AND GROWING DEGREE DAY DATA,  
WEEK ENDING SUNDAY, JULY 18, 1993

WEEK ENDING SUNDAY, JULY 15, 1978									
Station		Temperature				Precipitation	Growing Degree Data Since April 15		
		Extremes		Mean	Departure	Total Inches 1/	Last Week	Current	Normal
		Max	Min						
NW	Chadron	94	49	71	---	.05	---	---	---
	Scottsbluff	93	54	71	-4	.17	1109	1241	1335
	Sidney	91	53	71	---	.33	1045	1174	1230
NC	Valentine	85	53	68	-7	.48	1089	1216	1360
NE	Norfolk	86	56	71	-5	2.32	---	---	---
	Sioux City	87	55	73	-3	1.02	---	---	---
	Concord	---	---	---	---	---	1139	1275	1506
	Elgin	---	---	---	---	---	1103	1238	1443
	West Point*	---	---	---	---	---	1225	1375	1537
CEN	Grand Island	85	60	72	-5	4.34	n/a	n/a	n/a
	Ord	85	57	69	---	.07	n/a	n/a	n/a
EC	Lincoln	88	60	75	-3	1.52	n/a	n/a	n/a
	Omaha	85	62	74	-3	2.11	n/a	n/a	n/a
SW	Imperial	88	56	71	---	1.03	---	---	---
	North Platte	87	57	71	-3	.52	**n/a	**n/a	**n/a

1/ Precipitation totals not included in map above. \* Automated weather station. \*\* North Platte Experiment Station.  
n/a = not available

Growing Degree Days (GDD) are used to measure the length of time required for a crop to reach maturity. The formula used to calculate GDD is: Max. temp. + min. temp. divided by 2 minus 50 = GDD. For example, if the average temperature for a day = 70 degrees, the GDD = 20 for that day. GDD are calculated for each day and accumulated from April 15.

Growing Degree Day data is furnished by the Department of Agricultural Meteorology, Institute of Agriculture and Natural Resources, The University of Nebraska-Lincoln.